

HORAN CONSTRUCTION NORTH ROAD CYCLEPATH, CARDIFF

THE CONTRACTOR

Horan Construction is a Cardiff-based civil engineering and road-surfacing contractor established in 1976. It delivers highways, drainage, structures and public-realm schemes across South East Wales, including Cardiff Council's North Road Cyclepath.

PROJECT OVERVIEW

Cardiff Council commissioned a new 1,500 m cyclepath and footpath extending from Blackweir Ambulance Station to Excelsior Road. The alignment passes through a wooded corridor beside mature trees. More than 8,500 m² of 100 mm CORE TRP was specified to create a no-dig, load-spreading formation beneath the porous macadam surface.

TOTAL AREA: 8,500+ M²

KEY REQUIREMENTS

The 1.5 km route had to provide a durable, accessible surface for cyclists and pedestrians while safeguarding mature trees along the wooded alignment. The build-up needed to minimise excavation and soil compaction, maintain drainage through the root zone and support regular active-travel use.

PRODUCT

CORE TRP is a no-dig tree-root-protection system for routes within Root Protection Areas. Its three-dimensional cellular structure confines free-draining aggregate, spreads imposed loads and helps maintain the movement of air and water through the soil below.



For North Road, 100 mm CORE TRP was paired with a porous macadam wearing course to create a smooth active-travel route.





SOLUTION

Following consultation with Horan Construction, CORE specified the 100 mm TRP system for the anticipated pedestrian and cycle loading. Panels were installed along the tree-sensitive corridor, filled with free-draining aggregate and overlaid with porous macadam. The completed no-dig build-up distributed surface loads above the existing soil while delivering a smooth, hard-wearing route from Blackweir to Excelsior Road.



POROUS BUILD-UP



Free-draining aggregate and porous macadam maintain natural surface drainage.

ACCESSIBLE ROUTE



The finished build-up provides a smooth, durable surface for cyclists and pedestrians.

ROOT-ZONE PROTECTION



The no-dig system spreads loads above the soil around mature trees.

OVER
8,500
M²

CORE TRP INSTALLED

SYSTEM DEPTH
100
MM

TRP BUILD-UP



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